

NOV. 14. 2002 12:34PM

NO. 2614 P. 22

## **EXHIBIT B**

# ABBOTT LABORATORIES RESEARCH DEPARTMENT

PROJECT

HIV-1 Variants

EXP. OR CODE NO.

For final sequencing see 52941-26

ham112contig.1  
Sequenced "ham112project"

ham112/6r (7/22), 1 to 300  
ham112/21 (7/22), 1 to 382

ham112/4r (7/22) us, 233 to 754  
ham112/9r (7/22), 298 to 732

ham112/11r (7/22), 689 to 1144

ham112/6f (7/22), 672 to 1013

A CLONE CONSENSUS, 764 to 1175

ham112/10f (7/22), 831 to 1043

ham112/14r (7/22), 859 to 1438

ham112/11f TAQ (8/16), 1170 to 1458

ham112/12f (8/9), 1350 to 1458

ham112/13f (7/22), 1383 to 1908

ham112/19r (7/22) us, 1411 to 2038

ham112/19r (7/22), 1579 to 2038

ham112/15f (7/22) us, 1615 to 2187

ham112/15f (7/22), 1616 to 2057

ham112/21r (7/22), 1654 to 2288

ham112/20f (7/22), 2173 to 2822

ham112/25r (7/22), 2187 to 2822

ham112/22f (7/22), 2358 to 2822

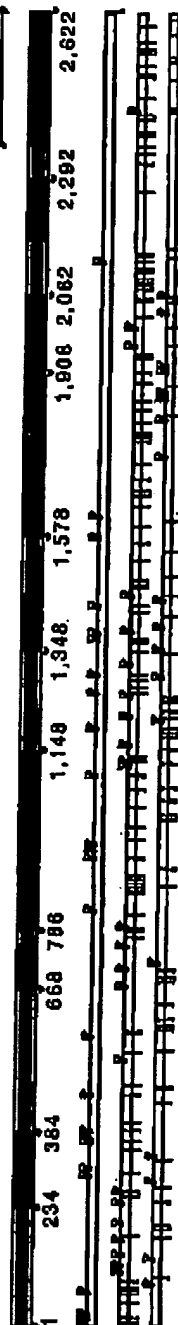


Diagram Key	
	Hole in contig
	Single fragment
	Multiple fragments same direction
	Both strands
	Both strands plus
	Start codon frame 1
	Stop codon frame 2
	Bumps on fragments
	Show motifs
	Hollow
	Rectangles show features

SIGNATURE

*Jennifer K. Lund (Attachment)*

DATE

WITNESSED BY

*John A. Cantrell*

DATE

# ABBOTT LABORATORIES RESEARCH DEPARTMENT

PROJECT

HIV-1 Variants

EXP. OR CODE NO.

10	20	30	40	50	60	70	
1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 1234567890							
ATGCTGATGA CTTGCTGAGC ATGCTGCTAG AGCTACAGCA AGCTGCTGAT CTTGCTGATGA GTCATGCTCT TGTG	75						
M I V T M R A M G K R N R K L G I L Y I V M A L I							
ATGCTGCTGAT TGTGCTGCTG CTTGCTGCTGAT GCTGCTGCTGAT ATGCTGCTGCTGAT ATGCTGCTGCTGAT GCTGCTGCTGAT GCTGCTGCTGAT	150						
I P C L S S S Q L Y A T V Y A G V P V W E D A A P							
GCTGCTGCTGAT GCTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT GCTGCTGCTGAT	225						
V L F C A S D A N L T S T E K H N V W A S Q A C V							
CTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	300						
P T D P T P H E Y L L T N V T D N P N I W E N Y M							
GCTGCTGCTGAT TGTGCTGCTGAT CTTGCTGCTGAT CTTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT CTTGCTGCTGAT	375						
V E Q M Q E D I I S L W D Q S L K P C I Q M T F M							
TGTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT	450						
C I Q M N C T D I K N N N T S G T E N R T S S S E							
AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT	525						
N P M K T C E F N I T T V L K D K K E K K Q A L F							
TGTGCTGCTGAT TGTGCTGCTGAT CTTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	600						
Y V S D L T K L A D N N T T N T M Y T L I N C N S							
AGCTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	675						
T T I K Q A C P K V S F E R I P I Y Y C A P A G Y							
CTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	750						
A I F K C N S A E F N G T Q K C S N I S V V T C T							
CTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT CTTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	825						
H G I K P T V S T Q L I L N G T L S K E K I R I M							
AGCTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	900						
G K N I S D S G K N I I V T L S S D I E I T C V R							
CTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	975						
P G N N Q T V Q E M K I G P M A W Y S M A L G T G							
TGTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT CTTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT	1050						
S N R S R V A Y C Q Y N T T E W E K A L K N T A E							
AGCTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	1125						
R Y L E L I N N T E G N T T M I F N R S Q D G S D							
GCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	1200						
V E V T H L H F N C H G E F F Y C N T S E M F N Y							
AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	1275						
T F L C N G T N C N N T Q S I N S A N G M I P C K							
TGTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	1350						
L K Q V V R S W M R G G S G L Y A P P I P G N L T							
TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT	1425						
C I S H I T G M I L Q M D A P W N K T E N T F R P							
AGCTGCTGCTGAT AGCTGCTGCTGAT TGTGCTGCTGAT TGTGCTGCTGAT AGCTGCTGCTGAT AGCTGCTGCTGAT CTTGCTGCTGAT TGTGCTGCTGAT	1500						
I G G D M K D I W R N E L F K Y K V V R V K P F S							

SIGNATURE

Jennifer K. Sturd

DATE

WITNESSED BY

Nichelle J. Chalm

DATE

# ABBOTT LABORATORIES RESEARCH DEPARTMENT

HIV-1 Variants

PROJECT

EXP. OR CODE NO.

	10	20	30	40	50	60	70	
1234567890 1234567890 1234567890 1234567890 1234567890 1234567890 12345								
GIGGACGCA CACCAATTC AGGGGAGTC ATAGGACAG GCACTGAG AGAGAAAGA GCACTAGGT TGGCA								1575
V A P T P I A R P V I G T G T H R E K R A V G L G								
AGGCTTTC TGGGGTTC AGGTCAGCA GGTACACTA TGGGGCAGC GGCACAGCG CAGAGGTC AGAC								1650
M L F L G V L S A A G S T M G A A A T A L T V Q T								
CACCTGCA TAAGGGTAT AGTCACAGC CAGGACAAC TCTACAGC ATACAGGTC CAGCAGGAT TCTG								1725
H S V I K G I V Q Q Q D N L L R A I Q A Q Q E L L								
AGGCTTTC TGGGGTTC CAGCAGCTC GGGCTGCT TCTAGGCT AGAAGCTA ATACAGAT AGCA								1800
R L S V W G I R Q L R A R L L A L E T L I Q N Q Q								
CACCTAAC TAAGGGTTC TAAGGAGA CTAATTCCT ACACATAGT AAATGGAC GACACGCA GAAT								1875
L L N L W G C K G R L I C Y T S V K W N E T W R N								
ACACTATA TAACATAT TGGGGAAC TTAACAGC AGAATGGA TACAGGCA GACACGCA GTTC								1950
T T N I N Q I W G N L T W Q E W D Q Q I D N V S S								
ACCTGTC AGAATACA AAAGGACA GTCAGGAG AACAAAGA GAAAGTTC CTGAGTTC AGCA								2025
T I Y E E I Q K A Q V Q Q E Q N E K K L L E L D E								
TGGGCTTC TTGGATTC GGTACATA ACTAATTC TGTGATTC AAAATACA ATACATTC TAGCA								2100
W A S L W N N L D I T K W L W Y I K I A I I I V G								
GCACTATC GGTGAGAT TGTACATA GGTATATC TGTGAGAA CTATAGGAG GGTATATC GCTC								2175
A L I G V R I V M I V L N L V R N I R Q G Y Q P L								
TGTACAGA TGGGAGTC TACAGTTC GAGGAGAA GGGGAGAG AACAGGGA GAGGAGAG AGCA								2250
S L Q I P T R Q Q S E A E T P G R T G E G G G D E								
GGGAGGCA GGTATATC CTTGGGCA GGTGCTTC CACTGTGA CAGGAGTC AGGACATA TCTG								2325
G R P R L I P S P Q G F L P L L Y T D L R T I I L								
TGGATATC AACTTTC CACTATA TACGAGTC AGGAGTTC CAGGAGTC AGCTTTC TGGG								2400
W S Y H L L S N L I S G T Q T V I S H L R L G L W								
ATCTAGAC AGAGTAT TGTATATC AGATTTTC CAGGATTC ACATTTTC CTAAGAT TCGA								2475
I L G Q K I I D A C R I C A A V I H Y W L Q E L Q								
AGAGGCTA CAGGATTC AGATTTTC GGTAGGTC TGTATTC CACTATTC ATATTTTC GATA								2550
K S A T S L I D T F A V A V A N W T D D I I L G I								
CAGGATTC GAGGATTC TGTATTC CAGGAGTC TACGAGTC CTTGAGCA AGTTTTC AA								2622
Q R L G R G I L N I P R R V R Q G F E R S L L X								

N/A

SIGNATURE

*Jennifer L. Stued*

DATE

WITNESSED BY

*Michelle D. Chubb*

DATE

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John R. Hackett, Jr.  
et al.

Serial No.: 08/911,824

Filed: August 15, 1997

For: Novel Antigen Constructs  
Useful in the Detection and  
Differentiation of Antibodies  
to HIV

Attorney Docket No.: 6165.US.01

Examiner: Myron G. Hill

Group Art Unit: 1648  
Certificate of Facsimile  
Transmission under 37 CFR §1.8(a):  
I hereby certify that this paper  
(along with any paper referred to  
as being attached or enclosed) is  
being transmitted via facsimile,  
said transmission to be completed  
before midnight Eastern time on  
the date shown below, addressed to  
the following recipient:

Commissioner for Patents  
Attn: Examiner Myron G. Hill  
Group Art Unit: 1648  
Washington, D.C. 20231

Recipient Telefax Number: (703) 872-9307

*Kimberly A. Iorio*  
Kimberly A. Iorio

REQUEST FOR EXTENSION OF TIME

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

With regard to the application identified above,  
Applicants hereby petition the Assistant Commissioner for  
Patents to extend the period for response in connection with  
the Notice of Appeal filed on August 15, 2002 for one month  
from October 15, 2002 to November 15, 2002.

Please charge Deposit Account No. 01-0025 in the amount  
of \$110.00 for the associated extension fee. Any deficiency  
or overpayment should be charged or credited, respectively, to  
the above numbered deposit account. A duplicate copy of this  
sheet is enclosed.



23492

ABBOTT LABORATORIES  
Telephone: (847) 938-3137  
Facsimile: (847) 938-2623

Respectfully submitted,  
J. Hackett, Jr. et al.

*Lisa V. Mueller*  
Lisa V. Mueller  
Registration No. 38,788  
for Dianne Casuto  
Registration No. 40,133  
Attorney for Applicants

11/19/2002 11:10:00 AM 09911824 01 FT:1251